

## **Signal Distribution - Modifying the Kramer VM-1411**

I published an article in the May 2025 publication of Practical Wireless Magazine.

Electronic viewing of the magazine, as part of a subscription, is here:  
<https://pocketmags.com/eu/practical-wireless-magazine>

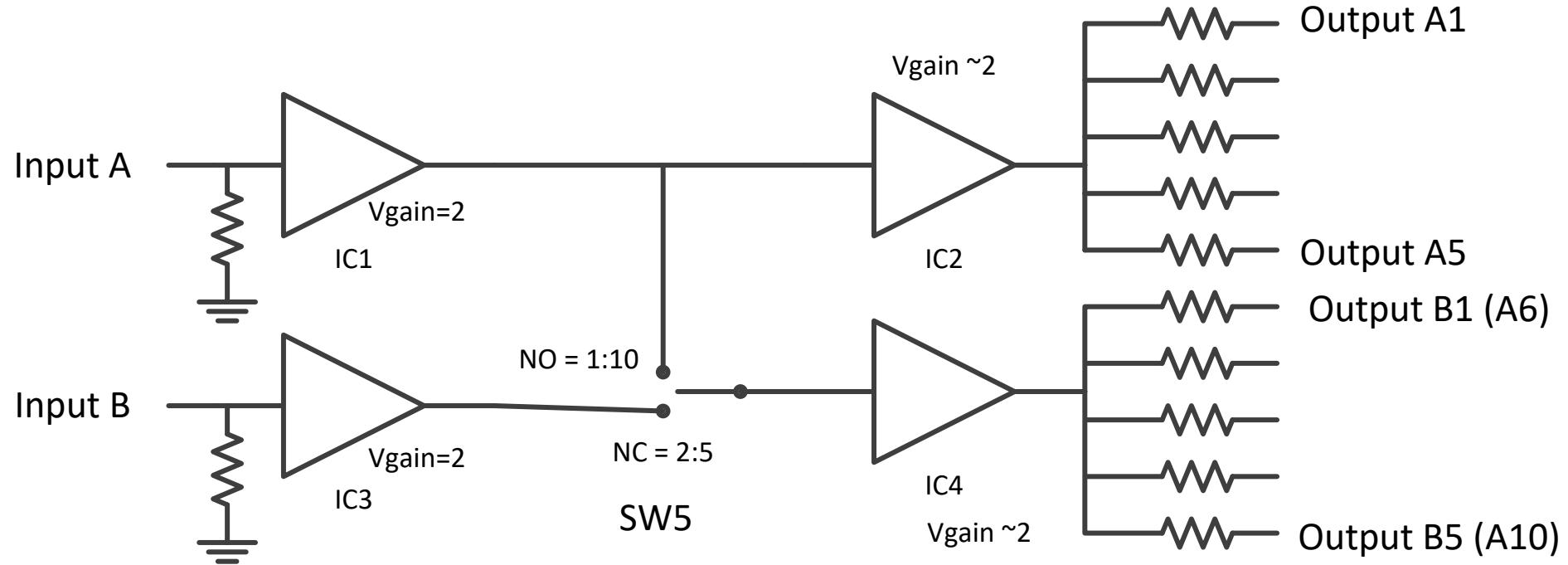
As necessitated by space constraints the photos in the article might be a little small to be of any use for some readers.

So here are each of the graphics and photographs in high resolution.

Samuel



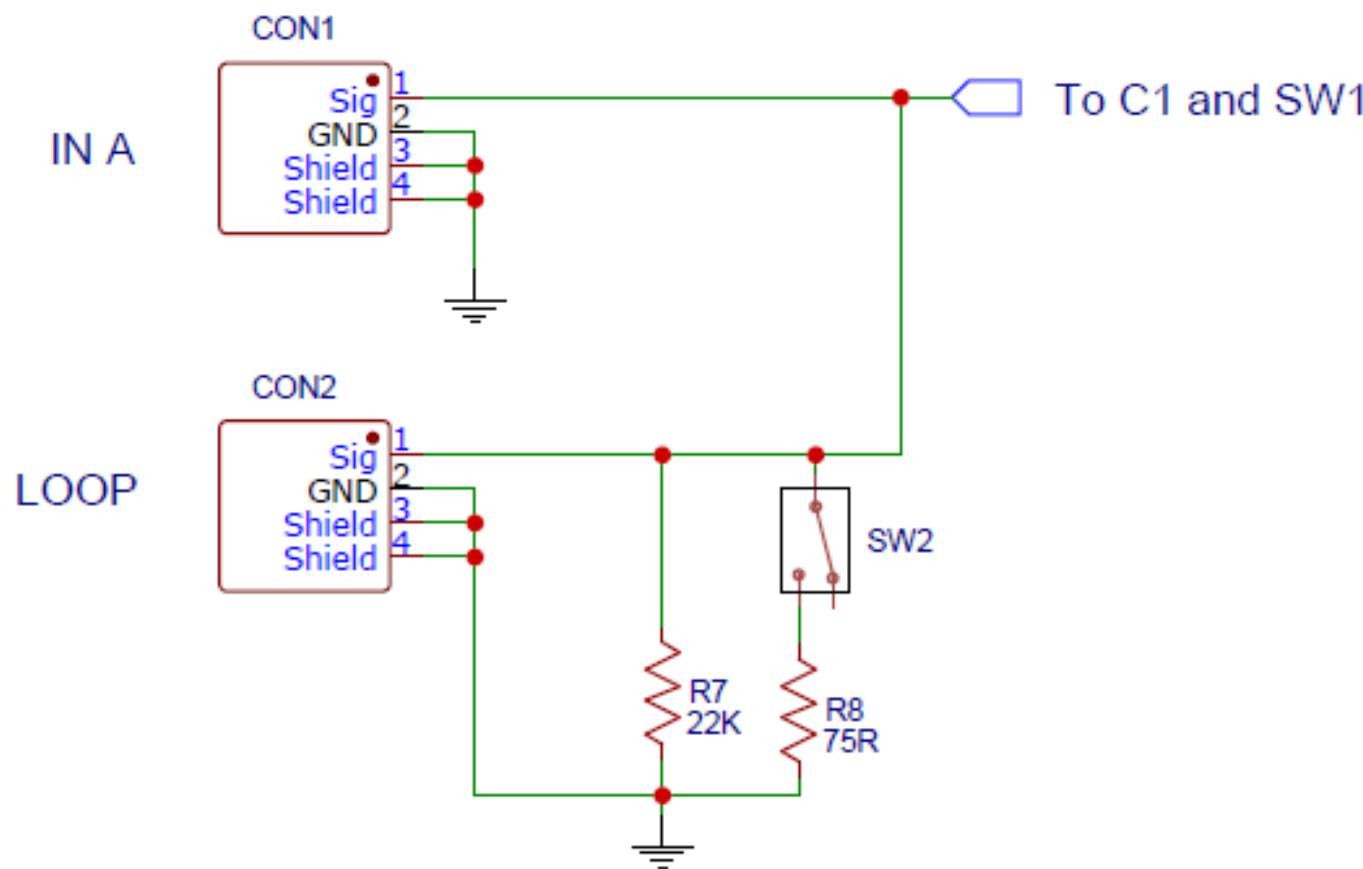
**Figure 1. Front and top view of the Kramer VM-1411**



**Figure 2. High Level Block diagram**



**Figure 3. Inside view of two PCBs.**



**Figure 4. Input to Loop and termination.**

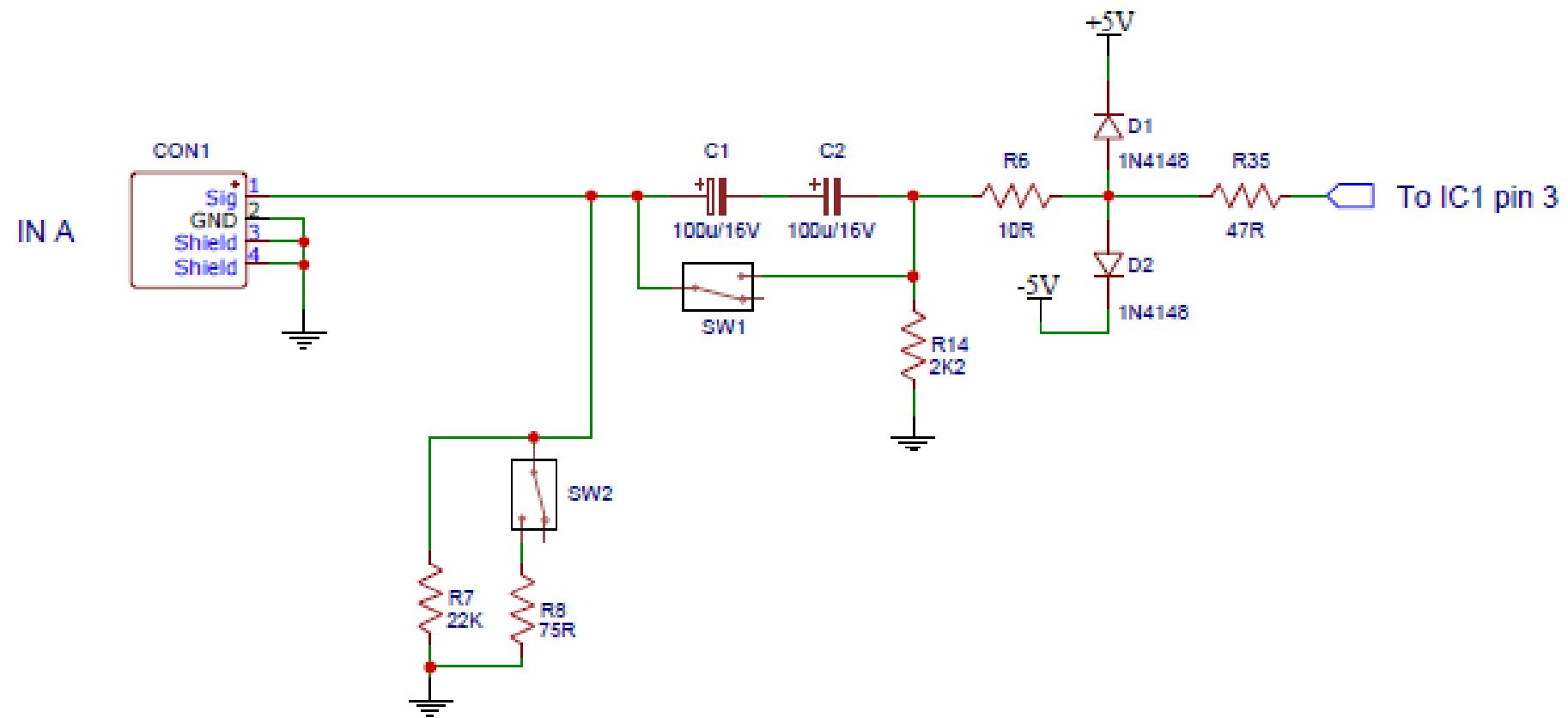
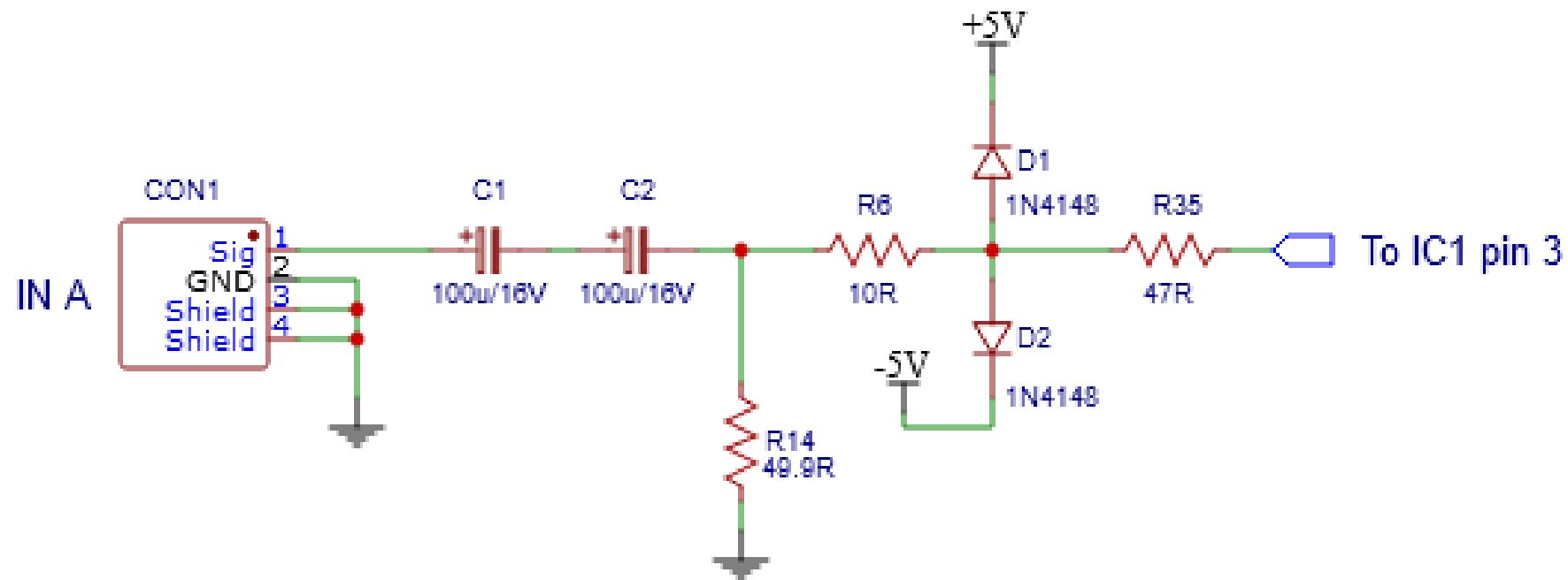


Figure 5. Input circuitry - original



**Figure 6. Modified input circuitry**

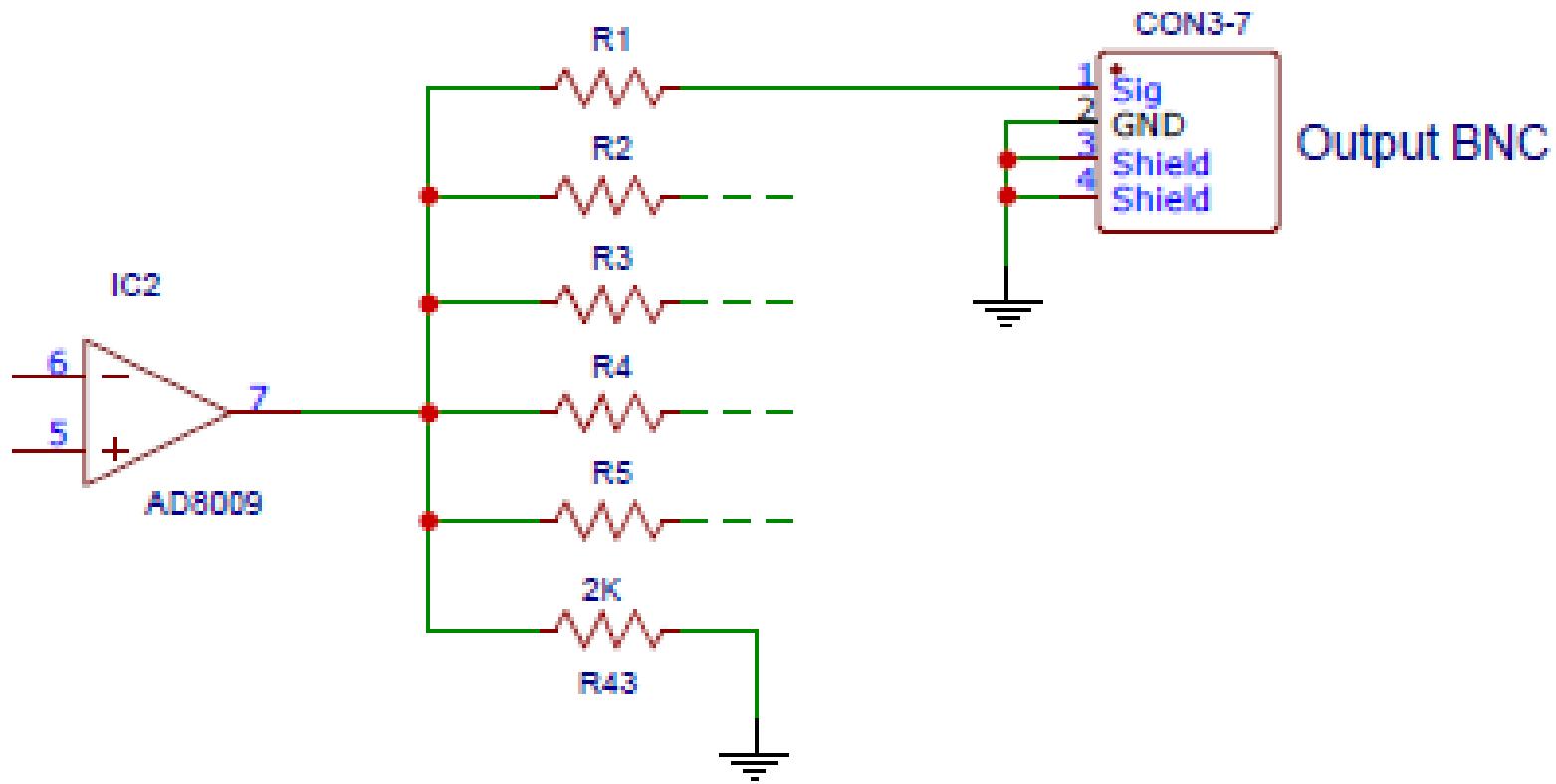
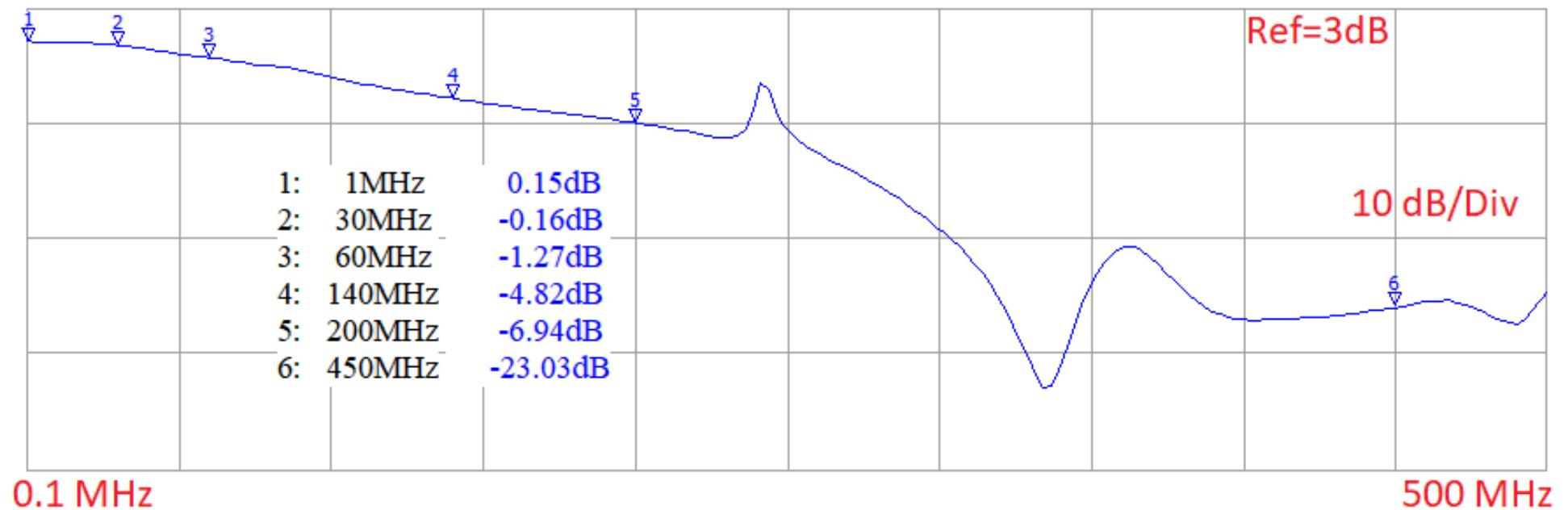


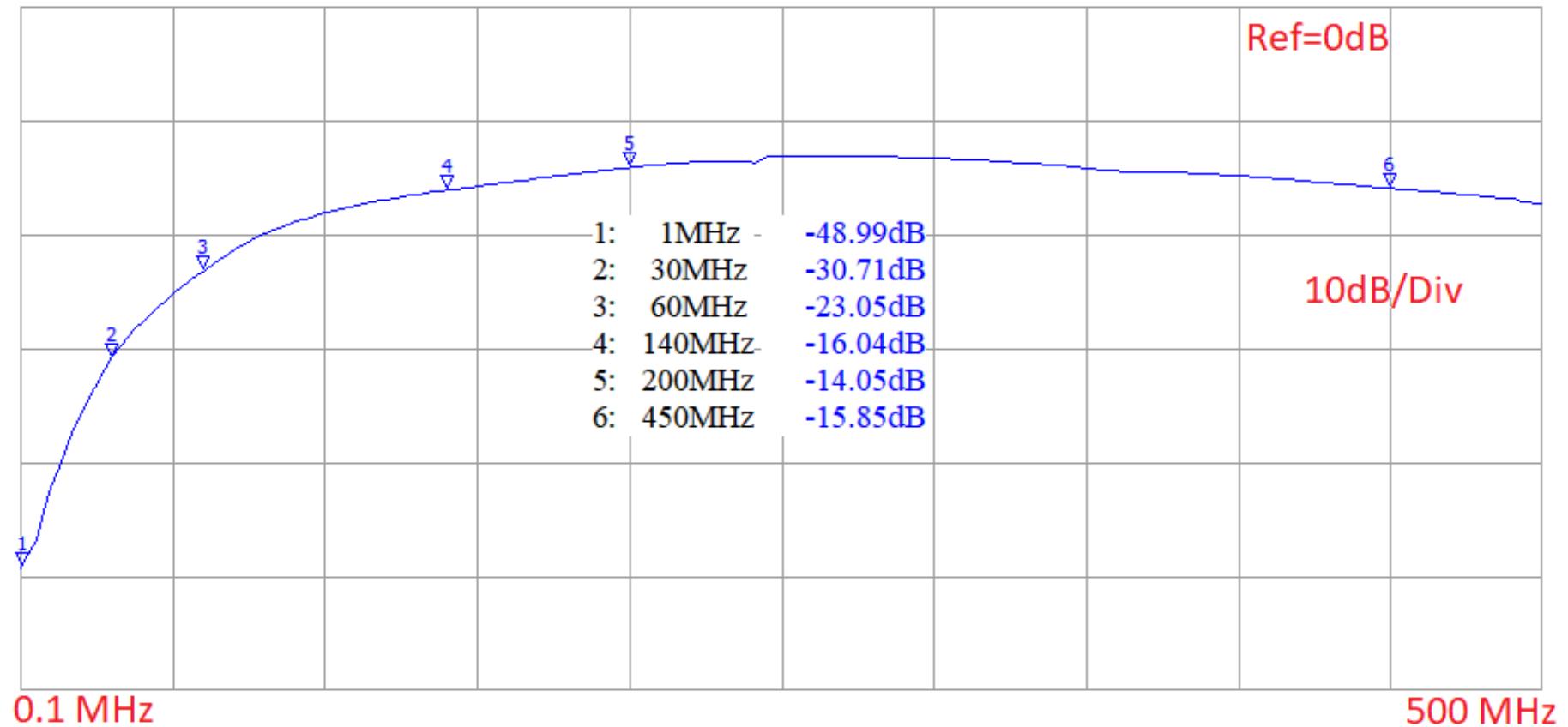
Figure 7. Output circuitry



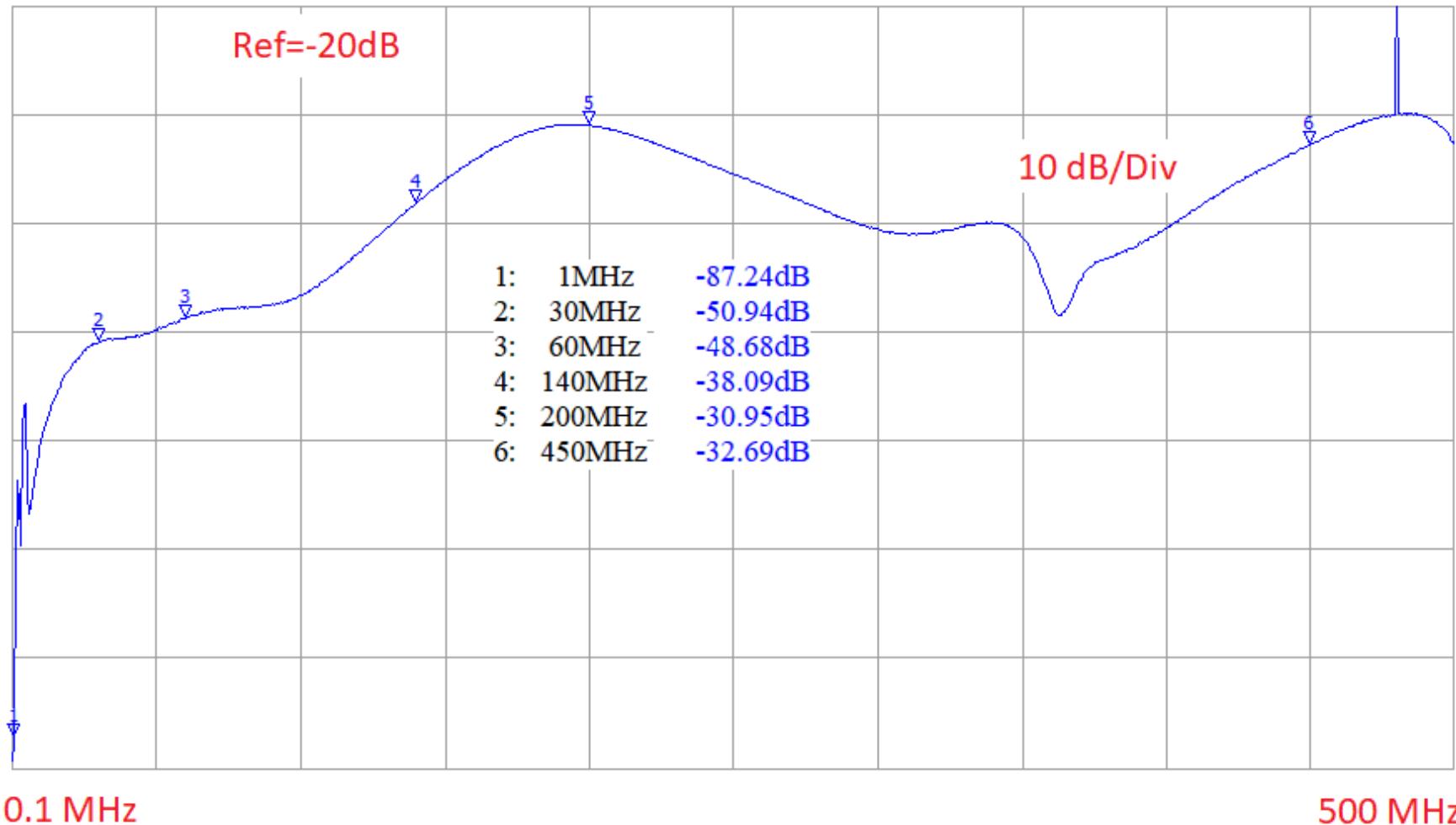
Figure 8. Front and back view of GPS standard



**Figure 9. Transmission coefficient - S21**



**Figure 10. Isolation between outputs on the same channel**



**Figure 11. Isolation between outputs on different channels**

Ends .....